

CHARACTERISTICS

GENERAL DATA

Focusing Method	Electrostatic			
Deflecting Method	Electrostatic			
Phosphor*	P1	P2	P7	P11
Fluorescence	Green	Green	White	Blue
Phosphorescence	Green	Green	Yellow	—
Persistence	Medium	Medium	Long	Short
Faceplate	Gray Filter Glass			

*In addition to the screens shown, the 12AXP- can be supplied with several other screen phosphors.

ELECTRICAL DATA

Heater Voltage	6.3 Volts
Heater Current	0.6 ± 10 % Amperes
Direct Interelectrode Capacitances (Approx.)	
Cathode to All Other Electrodes	10 pf
Grid No. 1 to All Other Electrodes	8 pf
Between Deflecting Plates 1-2	4 pf
Between Deflecting Plates 3-4	2 pf
Deflecting Plate 1 to All Other Electrodes Except D2	8 pf
Deflecting Plate 2 to All Other Electrodes Except D1	8 pf
Deflecting Plate 3 to All Other Electrodes Except D4	6 pf
Deflecting Plate 4 to All Other Electrodes Except D3	6 pf

MECHANICAL DATA

Minimum Useful Screen Diameter	11 Inches
Bulb Contact (Recessed Small Cavity Cap)	J1-21
Base (Medium Shell Diheptal 12-Pin)	B12-37
Basing	14J
Weight (Approx.)	12 Pounds
J1-21 Contact Aligns with Trace D1-D2	±10 Degrees
J1-21 Contact Aligns with Pin No. 5	±10 Degrees
Positive Voltage on D1 Deflects Beam	
Approx. Toward Pin No. 5	
Positive Voltage on D3 Deflects Beam	
Approx. Toward Pin No. 1	
Bulb	C99½ Exp. 28, or Equivalent

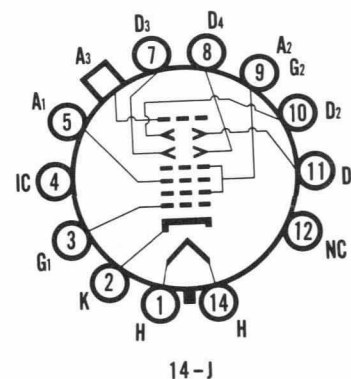
RATINGS

MAXIMUM RATINGS (Absolute Maximum Values)

Anode Input ¹	6 Watts	
Anode No. 3 Voltage	12,000 Volts	dc
Anode No. 2 Voltage	6000 Volts	dc
Anode No. 1 Voltage	2500 Volts	dc
Grid No. 1 Voltage		
Negative Bias Value	200 Volts	dc
Positive Bias Value	0 Volt	dc
Positive Peak Value	2 Volts	
Peak Heater-Cathode Voltage		
Heater Negative with Respect to Cathode	200 Volts	
Heater Positive with Respect to Cathode	200 Volts	
Peak Voltage Between Anode No. 2 and Any Deflecting Plate	750 Volts	
Ratio (Post Accelerator Voltage to Anode Voltage)	2.3:1	

QUICK REFERENCE DATA

Oscilloscope Tube
12" Direct Viewed
Round Glass Type
Electrostatic Deflection
Electrostatic Focus
Post Deflection Acceleration



SYLVANIA ELECTRIC
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Electronic Components Group
ELECTRONIC TUBE DIVISION
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File Under

SPECIAL AND GENERAL
PURPOSE CATHODE RAY TUBES

